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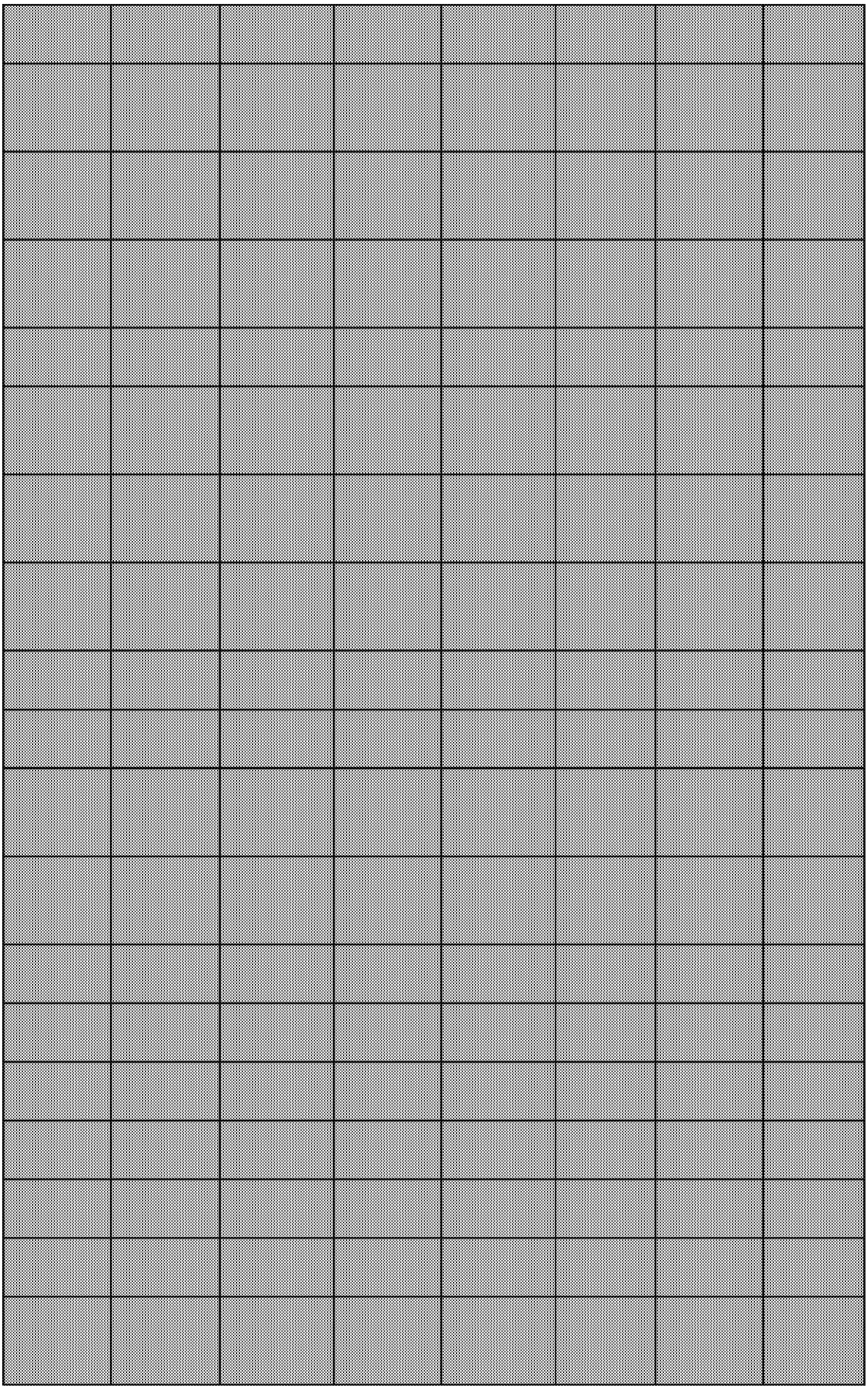

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Structural rigidity has been found to be advantageous for molecules if they are to find applications in functioning molecu
Two rice chlorophyll (Chl) b-less mutants (VG28-1, VG30-5) and the respective wild type (WT) plant (cv. Zhonghua No. 11
Leaf discs of Alocasia macrorrhiza were treated with various stress factors, including two photo-oxidants, methyl viologe
Methacrylic acid (MAA) grafted rice husk was synthesized using graft copolymerization with Fenton's reagent as the redo
Nitroreductases reduce nitroaromatic compounds and other oxidants in living organisms, having interesting implications
The use of nanotechnology in drug delivery is a rapidly expanding field. Biodegradable or nontoxic nanomaterials have th
Rhodobacter sphaeroides periplasmic nitrate reductase (Rs NapAB) is one of the enzymes whose assays give odd results:
Three 5,5'-disubstituted-2,2'-bipyridine ligands tethered to L-Asp-based peptide backbones having pendant viologen-mo
The changes in NADPH activity was studied in the roots of 3-4-day-old etiolated pea (cultivar Aksaiskii usatyi) seedlings d
A rapid colorimetric methodology based on photoinduced electron transfer from excited CdS quantum dots (CdS QDs) to
Physiological dormancy of scarified seeds of Townsville stylo (Stylosanthes humilis HBK) was released by acidic aluminiur
Experiments were carried out using spin-trapping ESR spectroscopy to evaluate in a quantitative and kinetic manner the
Deoxyribonucleic acid (DNA) was electrochemically deposited on a carbon ionic liquid electrode to give a biosensor with
Peroxidase in the presence of hydrogen peroxide catalyzes in vitro the activation of carcinogenic N,N-dimethyl-4-aminoa
Dormancy of scarified seeds of Stylosanthes humilis was broken by acidic Al(3+) and Fe(3+) solutions. Fe(+3)-stimulated s
Heat shock from 25 degrees C to 40 degrees C of Hansenula anomala cells resulted in a rapid and reversible inactivation
The porphyrin-incorporated arylether dendrimers ZnP-D1 and ZnP-D4 were investigated to discover the influence of den
Fermentative production of solvents (acetone, butanol, and ethanol) by Clostridium acetobutylicum is generally a biphas
A viologen derivative, 1,1'-di-p-tolyl-(4,4'-bipyridine)-1,1'-diium dichloride (DTV2+), was studied in solution and encapsul

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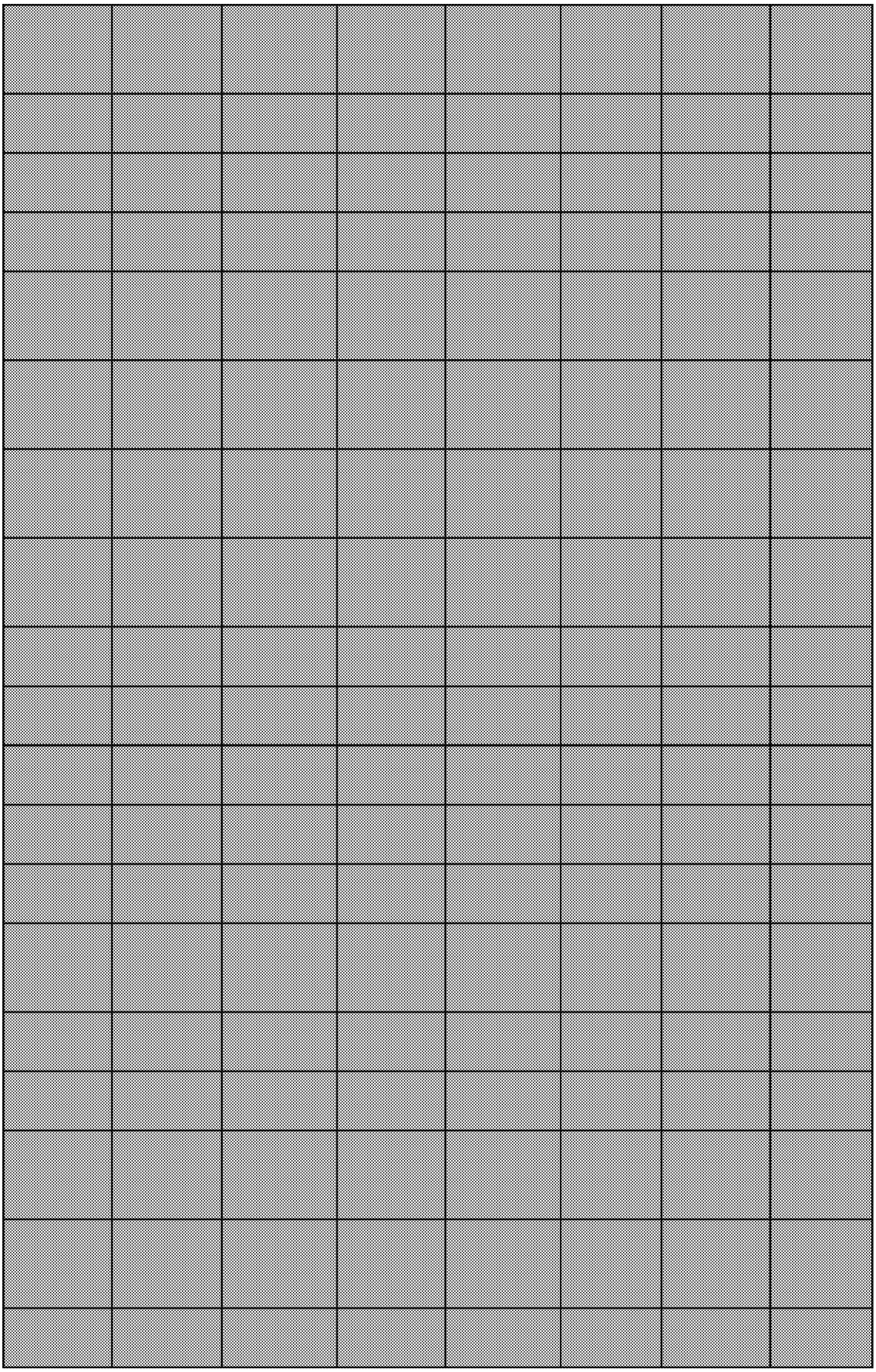

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Vegetative growth and reproductive growth strongly competes with each other during panicle development in litchi (Litc
The mode of action of many pesticides is to inhibit electron transport chain complexes of the mitochondria of living cells.
Photosynthesis is one of the most important processes in plant biology and in the development of new methodologies th
A chemical-responsive bis(m-phenylene)-32-crown-10/2,7-diazapyrenium salt [2]pseudorotaxane was prepared. It was f
Mancozeb (manganese/ zinc ethylene bis-dithiocarbamate) is an organometallic fungicide that has been associated with
The roles of four conserved basic amino acids in the reaction catalyzed by the ferredoxin-dependent nitrate reductase fr
The incorporation of amphiphilic tetrapyrrole macrocycles in organized media is of great value for a variety of fundamen
An electrochemical magneto immunosensor for the detection of low concentrations of paraquat (PQ) in food samples ha
The intermolecular electron transfer between the carboxylic dendritic zinc(II) phthalocyanines [G(1)-ZnPc(COOH)(8) and
The excited-state behavior of luminescent gold clusters provides new insights in understanding their photocatalytic activ
A new electrochemical immunosensor has been developed to detect paraquat (PQ) pesticide residues in food samples. T
In this work we probe the hypothetically protective role of hydrogen peroxide for paraquat induced oxidative damage of
The response of photosystem II (PSII), of the non-target organism Arabidopsis thaliana, to paraquat (Pq) exposure was st
Hydrogenases are nature's efficient catalysts for both the generation of energy via oxidation of molecular hydrogen and
The release of a Cys probe from the cavity of a water-soluble pillar[5]arene can be realized in an acidic microenvironmen
We have developed a simple and rapid colorimetric method for on-site analysis of thiram and paraquat using cyclen dith
Supramolecular nanoparticle clusters (SNPCs) have been formed in a microfluidic device by controlling the diffusive mixi
The binding modes, inclusion abilities, and thermodynamic parameters for the intermolecular complexation of p-sulfona
We studied the adsorption of paraquat onto polyurethane foam (PUF) when it was in a medium containing sodium dode

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